SHEKHAR SAINJU

Sydney, NSW | +61 435 504 548 | shekharsainju@gmail.com | linkedin.com/in/shekhar-sainju | github.com/Shekharsainju

EDUCATION

University of Technology Sydney Sydney, NSW
Bachelor of Artificial Intelligence (WAM 82.25, Distinction) *Feb. 2024 – Dec. 2026*
Relevant Coursework: Machine Learning, Deep Learning and CNNs, Natural Language Processing, Advanced AI, AI/Analytics Capstone, Data Analytics, Database Fundamentals, Cybersecurity, Ethics of Data and AI

UTS College Sydney, NSW
Diploma of Information Technology *Feb. 2023 – Dec. 2023*

EXPERIENCE

Co-Founder Nov. 2026 – Present
Stealth AI Startup *Sydney, NSW*
- Co-founding an early-stage startup; building the MVP of an AI web tool that turns rough videos into social posts.
- Built the FastAPI, Whisper and FFmpeg video pipeline with word-level auto/review/keep cuts that never clip words.

SQL & Database Architecture Externship Oct. 2026 – Present
Breaking Games (an Admagic company), via Extern *Remote*
- Exploring raw sales data with SQL and designing a relational database to support revenue and customer analysis.
- Analysing revenue flows and investigating cart abandonment with SQL to find where and why customers drop off.
- Building a denormalized reporting table and Chart.js dashboard to back a Black Friday plan for the founder.

Machine Learning Externship May 2026 – Oct. 2026
Pfizer, via Extern *Remote*
- Built an end-to-end AI pipeline turning unstructured pharma supply chain documents into a searchable knowledge base.
- Benchmarked 3 OCR engines on scanned pharma PDFs: PaddleOCR hit 98.4% average confidence, EasyOCR 79.1%.
- Built a Gradio Q&A chatbot with hybrid retrieval (BM25 + embeddings, RRF, cross-encoder reranking) and page citations.
- Ran 3 retrieval experiments and traced poor answers to 50-token chunks splitting a key table, not retrieval settings.

Apple Foundation Program Oct. 2026 – Nov. 2026
Apple, hosted at UTS *Sydney, NSW*
- Selected for the final 2026 cohort of Apple's app development program after being shortlisted in a previous round.
- Built MemoryQuest in a team: an offline SwiftUI iPhone app teaching 5 memory strategies through 10 challenges.

Deli Associate Jul. 2023 – Present
Woolworths *Chatswood, NSW*
- Trained and mentored 3 new team members and cut wastage by 15% through effective stock rotation.

PROJECTS

DermaScanner | *PyTorch, YOLOv8, ResNet18, Grad-CAM, FastAPI* *UTS Group Project, 3 members*
- Trained a ResNet18 skin classifier to 94.94% test accuracy and 95.48% macro F1 across 11 classes (7,011 images).
- Built a YOLOv8n detector (9,026 images) that hands low-confidence cases to ResNet18; shown at UTS AI Showcase 2026.

AgentContinuum | *Python, PowerShell, C#, Windows* *Solo Project*
- Building a Windows tool that auto-resumes Claude Code and Codex sessions after usage limits reset.
- Wrote the design and threat model across 4 versions (review score 7.5 to 8.5/10), with 81 automated tests passing.

Evident | *Python, FastAPI, Gemini Vision, Qwen (Ollama)* *UTS Group Project, 4 members*
- Built a multimodal CV builder that reads PDF and photo CVs and checks every generated claim against evidence.
- Designed the architecture and solo-built ingestion, data contracts and the model layer, then led 3 teammates.
- Used a local Qwen judge model as an independent fact checker alongside Gemini, keeping running cost at $0.

Intern Insider AU | *FastAPI, PostgreSQL, Redis, Claude API, GitHub Actions* *Solo Project*
- Built an Australian internship board with community moderation and AI resume tailoring that never invents experience.
- Fixed a multi-worker rate limiter bypass (N times the limit across N workers) and 3 startup database race conditions.
- Set up CI running 63 automated tests plus Bandit, Semgrep and pip-audit security scans on every push.

TECHNICAL SKILLS

Languages and Tools: Python, SQL, Swift, C#, JavaScript, FastAPI, PostgreSQL, Redis, FFmpeg, SwiftUI, Git, GitHub Actions
AI/ML: PyTorch, YOLOv8, ResNet, OpenCV, OCR, Whisper, LlamaIndex, RAG, Gradio, Gemini and Claude APIs, Grad-CAM